

Amendments to the Claims

This listing of claims replaces all prior versions, and listings, of claims in the application.

Listing of Claims

1. (Canceled)

2. (Currently amended) A flow control valve ~~according to claim 1,~~
comprising:

a cylindrical body having an inner space, a fluid input port, and a fluid output port for allowing fluid to pass from the fluid input port to the fluid output port through the inner space,

a spool fitted in the inner space of the cylindrical body to be movable along an axis thereof for changing an opening area of at least one of the fluid input port and the fluid output port,

a spring disposed in the inner space of the cylindrical body for urging the spool in one direction along the axis, and

a flow bypass for connecting the input port and the output port, wherein said flow ~~by-path~~ bypass is a groove formed on an outer periphery surface of the cylindrical body.

3. (Original) A flow control valve according to claim 2, wherein said fluid input port and fluid output port are provided in a sidewall of the cylindrical body.

4. (Original) A flow control valve according to claim 3, wherein said fluid input port and fluid output port include a plurality of input orifices and a plurality of output orifices, respectively.

5. (Original) A flow control valve according to claim 3, wherein said spool includes a groove portion on a periphery surface thereof for connecting the fluid input port and the fluid output port, a small diameter portion formed at one side thereof and communicating with the groove portion, and a large diameter portion formed at the other side thereof and communicating with the fluid outside the fluid output port.

6. (Original) A flow control valve according to claim 5, further comprising a plug disposed at the other side of the cylindrical body so that the spring is situated between the plug and the spool, said plug being adjustable in the axial direction of the cylindrical body for adjusting an urging force of the spring.